RAW SEQUENCE LISTING   DATE: 05/03/2001
PATENT APPLICATION: US/09/835,995   TIME: 18:04:17

Input Set : A:\00146reg.US.ST25.txt
Output Set: N:\CRF3\05032001\I835995.raw

ENTERED

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 3 <110> APPLICANT: Soderberg, Charlotte
 4         Lind, Peter
 6 <120> TITLE OF INVENTION: Novel G Protein Coupled Receptors
 8 <130> FILE REFERENCE: 00146reg.US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/835,995
C--> 10 <141> CURRENT FILING DATE: 2001-04-17
10 <150> PRIOR APPLICATION NUMBER: 60/198,090
11 <151> PRIOR FILING DATE: 2000-04-17
13 <160> NUMBER OF SEQ ID NOS: 9
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 2553
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
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27 ggaggcggag gcgccgtcgc tgcagcctca ggcgccgcgg tgccgggctc cgtgcagttg    180
29 gcgctgagcg tcctgcacgc cctgctctac gccgcgctgt tcgcctttgc ctacctgcag    240
31 ctgtggcggc tgctcctgta ccgcgagcgg cggctgagtt accagagcct ctgcctcttc    300
33 ctctgtctcc tgtgggcagc gctcaggacc accctcttct ccgccgcctt ctcgctcagc    360
35 ggctccctgc ccttgctccg gccgcccgct cacctgcact tcttcccca ctggctgctc     420
37 tactgcttcc cctcctgtct ccagttctcc acgctctgtc tcctcaacct ctacctggcg    480
39 gaggttatat gtaaagtcag atgtgccact gaacttgaca gacacaaaat tctactgcat    540
41 ttgggcttta taatggcaag cctgctcttt ttagtggtga acttgacttg cgcaatgcta    600
43 gttcatggag atgtcccaga aaatcagttg aagtggactg tgtttgttcg agcattaatt    660
45 aatgatagcc tgtttattct ttgtgccatc tctttagtgt gttacatatg caaaattaca    720
47 aaaatgtcat cagctaatgt ctacctcgaa tcaaagggta tgtctctgtg ccagactgtc    780
49 gtcgtgggct ctgtagtcat tcttctgtac tcttccagag cttgttataa tttggtggtg    840
51 gtcaccatat ctcaggatac attagaaagt ccatttaatt atggctggga taatctttca    900
53 gataaggctc atgtagaaga cataagtgga gaagagtata tagtatttgg aatggtcctc    960
55 tttctgtggg aacatgtgcc agcatggtcg gtggtactgt ttttccgggc acagagatta   1020
57 aaccagaatt tggcacctgc tggcatgata aatagtcaca gttatagttc cagagcttac   1080
59 tttttcgaca atccaagacg atatgatagt gatgatgacc tgccaagact gggaagttca   1140
61 agagaaggaa gtttaccaaa ttcgcaaagt ttgggctggt atggcaccat gactgggtgt   1200
63 ggcagcagca gttacacagt cactccccac ctgaatggac ctatgacaga tactgctcct   1260
65 ttgctcttta cttgtagtaa tttagatttg aacaatcatc atagcttata tgtgacacca   1320
67 caaaactgac agcatcacca agtcatgatt cttgagttgt ttttcataaa tgtgtatatt   1380
69 caatgtgttt aaattccatc tacataaaca ttccattatc tgttgcaact gaaaacaaaa   1440
71 tctggaagtg tggctgtgtt tggtaaataa cacagctatt attttttgacc tcttcatagt   1500
73 aaaatgaagt aaaatggaaa gtttggagta ggagaaaaga gagattagat cttaaggcac   1560
75 ttgatggcct ccaaaaatcc tgactttgga acatcaaatg catatgtgca cttttatctt   1620
77 tgttctgagt cactgcagtc cccaaagtca tatgccaatg ttcacactga aatactgtat   1680
79 tgtacaccaa actggaaggc aattttccta tgaaaatcaa agccggtata ttcattggta   1740
81 tgctctatac agatatctta ataaaaattt tatagtgtga acagtgcaca gagttaaggc   1800
83 ataaaaatgt atcattcttt ataaaaatct actgaaaatg tgtaatcatt gaagacagtt   1860
85 cttttaagca tgattttaaa atagcaactg aaattcaatc attttaaaca aatgatggta   1920
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 87 gtaatccatt agttatggcc agcagtgttc tttggagagc cacaataatt tcaagaggaa   1980
 89 aatataccag tgaaaattgt gtggctattt tgagtagaat tggtcagttg attattttgt   2040
 91 gtaattgaga tatatgtagt agtttaagca tgattcttga agaaagcaat agtgactttt   2100
 93 gcatagggag attttggtag aaacttcttg ggactaaaca agtttagaga tgcatttaag   2160
 95 aattattcac aaaatgtgtc attctaaatt aaaacataaa tatattttca aaagcatttg   2220
 97 atttctctga agcatgatat agctggtctt acctagtgaa tcaggattgt cctcaggtaa   2280
 99 atgaaatcat gatacattat tgcagtgaac tcaagtgcaa tactttgtaa gacatataat   2340
101 tcctatgatt ttcacatttt tatatcttat atatgggaaa agccaaatta aattgaattc   2400
103 agattaattc cagcattaga ctaaatgagc aaacttaagt aaatgtacaa actaggtaag   2460
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111 <211> LENGTH: 429
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 2
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118 1               5                   10                  15
120 Gly Arg Glu Pro Ser Thr Pro Gly Gly Gly Ser Gly Gly Gly Gly Ala
121             20                  25                  30
123 Val Ala Ala Ala Ser Gly Ala Ala Val Pro Gly Ser Val Gln Leu Ala
124         35                  40                  45
126 Leu Ser Val Leu His Ala Leu Leu Tyr Ala Ala Leu Phe Ala Phe Ala
127     50                  55                  60
129 Tyr Leu Gln Leu Trp Arg Leu Leu Leu Tyr Arg Glu Arg Arg Leu Ser
130 65                  70                  75                  80
132 Tyr Gln Ser Leu Cys Leu Phe Leu Cys Leu Leu Trp Ala Ala Leu Arg
133             85                  90                  95
135 Thr Thr Leu Phe Ser Ala Ala Phe Ser Leu Ser Gly Ser Leu Pro Leu
136             100                 105                 110
138 Leu Arg Pro Pro Ala His Leu His Phe Phe Pro His Trp Leu Leu Tyr
139         115                 120                 125
141 Cys Phe Pro Ser Cys Leu Gln Phe Ser Thr Leu Cys Leu Leu Asn Leu
142     130                 135                 140
144 Tyr Leu Ala Glu Val Ile Cys Lys Val Arg Cys Ala Thr Glu Leu Asp
145 145                 150                 155                 160
147 Arg His Lys Ile Leu Leu His Leu Gly Phe Ile Met Ala Ser Leu Leu
148             165                 170                 175
150 Phe Leu Val Val Asn Leu Thr Cys Ala Met Leu Val His Gly Asp Val
151             180                 185                 190
153 Pro Glu Asn Gln Leu Lys Trp Thr Val Phe Val Arg Ala Leu Ile Asn
154         195                 200                 205
156 Asp Ser Leu Phe Ile Leu Cys Ala Ile Ser Leu Val Cys Tyr Ile Cys
157     210                 215                 220
159 Lys Ile Thr Lys Met Ser Ser Ala Asn Val Tyr Leu Glu Ser Lys Gly
160 225                 230                 235                 240
162 Met Ser Leu Cys Gln Thr Val Val Val Gly Ser Val Val Ile Leu Leu
163             245                 250                 255
165 Tyr Ser Ser Arg Ala Cys Tyr Asn Leu Val Val Val Thr Ile Ser Gln
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166            260              265              270
168 Asp Thr Leu Glu Ser Pro Phe Asn Tyr Gly Trp Asp Asn Leu Ser Asp
169      275              280              285
171 Lys Ala His Val Glu Asp Ile Ser Gly Glu Glu Tyr Ile Val Phe Gly
172    290              295              300
174 Met Val Leu Phe Leu Trp Glu His Val Pro Ala Trp Ser Val Val Leu
175 305              310              315              320
177 Phe Phe Arg Ala Gln Arg Leu Asn Gln Asn Leu Ala Pro Ala Gly Met
178           325              330              335
180 Ile Asn Ser His Ser Tyr Ser Ser Arg Ala Tyr Phe Phe Asp Asn Pro
181      340              345              350
183 Arg Arg Tyr Asp Ser Asp Asp Asp Leu Pro Arg Leu Gly Ser Ser Arg
184      355              360              365
186 Glu Gly Ser Leu Pro Asn Ser Gln Ser Leu Gly Trp Tyr Gly Thr Met
187    370              375              380
189 Thr Gly Cys Gly Ser Ser Ser Tyr Thr Val Thr Pro His Leu Asn Gly
190 385              390              395              400
192 Pro Met Thr Asp Thr Ala Pro Leu Leu Phe Thr Cys Ser Asn Leu Asp
193           405              410              415
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196      420              425
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199 <211> LENGTH: 25
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <223> OTHER INFORMATION: Primer
208 <400> SEQUENCE: 3
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214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <223> OTHER INFORMATION: Primer
222 <400> SEQUENCE: 4
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229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
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233 <223> OTHER INFORMATION: Primer
236 <400> SEQUENCE: 5
237 agtgggggaa gaagtgcagg tgagc                                     25
240 <210> SEQ ID NO: 6
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242 <212> TYPE: DNA
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245 <220> FEATURE:
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247 <223> OTHER INFORMATION: Primer
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255 <211> LENGTH: 19
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
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261 <223> OTHER INFORMATION: Primer
264 <400> SEQUENCE: 7
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268 <210> SEQ ID NO: 8
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270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <221> NAME/KEY: misc_feature
275 <223> OTHER INFORMATION: Primer
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279 ccagtcacga cgttgtaaa                                           19
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283 <211> LENGTH: 9
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <223> OTHER INFORMATION: Substrate peptide
292 <400> SEQUENCE: 9
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295 1               5
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VERIFICATION SUMMARY   DATE: 05/03/2001
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    Input Set : **A:\00146reg.US.ST25.txt**
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date